



# Installation Instructions

Part Number 30GT-911---063

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## SAFETY CONSIDERATIONS

Installation of this accessory can be hazardous due to system pressures, electrical components, and equipment location (such as a roof or elevated structure).

Only trained, qualified installers and service technicians should install, start up, and service this equipment.

When installing this accessory, observe precautions in the literature, labels attached to the equipment, and any other safety precautions that apply.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care in handling and installing this accessory.



### ELECTRIC SHOCK HAZARD.

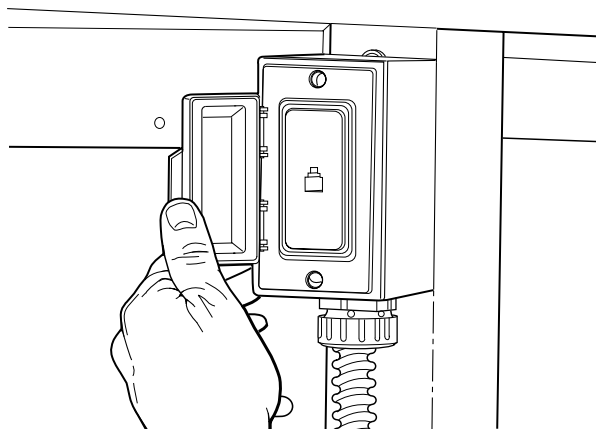
To avoid the possibility of electrical shock, open and tag all disconnects before installing this equipment.

## INSTALLATION

The Service Port is intended to allow for remote connection of the *ComfortLink* Navigator display. This will allow service technicians to use the Navigator right at or near the chiller's compressors when servicing or troubleshooting. Suggested mounting locations for the Service Port are shown in Fig. 1-7, referenced in Table 1.

### Accessory Package Contents

ITEM	PART NO.	QUANTITY
Utility Box	HX30FZ012	1
Cover	HX28ZZ001	1
Conduit Assembly	30GT415675	1
Modular Jack	HK50AA040	1
Screws, 1/4 in. diameter by 5/8 in. Long	AL38AM307	2
Wire Ties	HY76TB125	12



**Fig. 1 — Service Port Accessory**

1. Locate the utility box and knock out two mounting holes in the back of the box. Using the box as a template, position the box in the desired mounting position and secure the box to the upright or baffle using the screws provided. Drill 3/16-in. holes if necessary for mounting.
2. Attach the forked terminal end of the conduit assembly to the bottom of the utility box. Connect each of the five fork terminals to the modular jack. See Fig. 8.
3. Using the screws provided with the modular jack, attach the jack to the utility box.
4. Locate the gasket and screws provided with the cover. Carefully remove the inner portion of the gasket and attach the cover to the utility box.
5. Locate the plugs provided with the utility box. Use RTV on the threads and secure the plugs into the unused box openings.
6. Route the other end of the conduit assembly to the control box. The connector at this end of the conduit assembly must be connected to the LEN (local equipment network) connector on TB3 for 30GTN,R and 30GUN,R models and must be connected to the Main Base Board (MBB) at MBB-J4 for 30GXN,R models. See Fig. 11-15 referenced in Table 2 and Fig. 9, 10A and 10B.
7. Use the wire ties provided to secure the conduit assembly as needed.

The Navigator display is intended for use with the Service Port. It must be ordered separately, Carrier part number 30GT-911---062. Refer to the instructions provided with the Navigator accessory for more details.

**Table 1 — Service Port Locations**

UNIT SIZE	LOCATION	SEE FIGURE NO.
30GTN,GTR,GUN,GUR040-050	Compressor side, right side of upright facing control box	2
30GTN,GTR,GUN,GUR060-070	Compressor side, right side of upright facing control box	3
30GTN,GTR,GUN,GUR080-110*	Compressor side, right side of upright located to left of compressor A2, facing away from control box	4
30GTN,GTR,GUN,GUR130-210*	Compressor side, right side of upright located to the left of compressor B1, facing control box	5
30GXN,R080-160	Compressor side, control box side of condenser coil baffle to left of compressor A1	6
30GXN,R174-350	Compressor side, right side of upright to left of compressor A1, facing away from control box	7

\*See Tables 3A and 3B for associated modular sizes.

**Table 2 — Conduit Routing Locations**

UNIT MODEL	DESCRIPTION OF ROUTING LOCATION
30GTN,GTR,GUN,GUR040-110 and Associated Modular Units*	Open control door (left side) at end of unit. Remove the inner panel. Locate an unused 7/8-in. hole† near TB3 (located in the bottom left corner of the control box). See Fig. 12.
30GTN,GTR,GUN,GUR130-210 and Associated Modular Units*	Open the control door on the compressor side of the unit. Locate an unused 7/8-in. hole† near TB3 (located on a bracket attached to the left side of the control box). See Fig. 13.
30GXN,R080-175	Open control door (left side) at end of unit. Locate an unused 7/8-in. hole† near TB4. See Fig. 14A, 14B.
30GXN,R204-350	Open control door (right side) at end of unit. Locate an unused 7/8-in. hole† in the TB4/TB5 area. See Fig. 15.

\*See Tables 3A, 3B for modular size combinations.

†Drill new hole if none is available.

**Table 3A — Unit Sizes and Modular Combinations (30GTN,GTR,GUN,GUR)**

MODEL 30GTN,GTR,GUN,GUR	SECTION A	SECTION B
040	—	—
045	—	—
050	—	—
060	—	—
070	—	—
080	—	—
090	—	—
100	—	—
110	—	—
130	—	—
150	—	—
170	—	—
190	—	—
210	—	—
230	150	080
245	150	090
255	150	100
270	170	100
290	190	110
315	210	110
330	170	170
360	190	190/170*
390	210	190
420	210	210

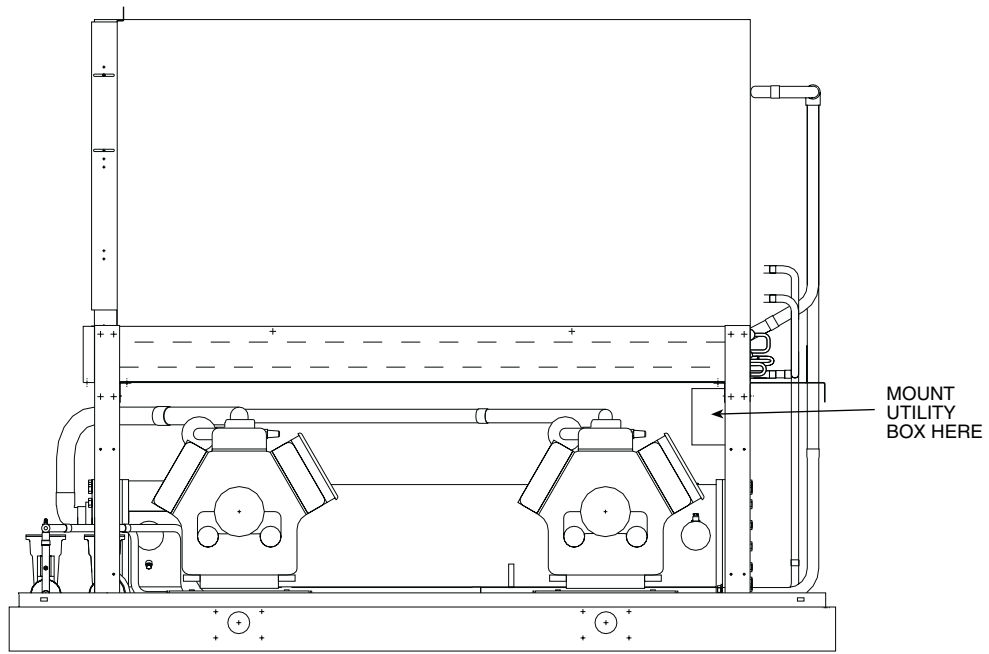
\*60 Hz units/50 Hz units.

**Table 3B — Unit Sizes and Modular Combinations (30GXN,GXR)**

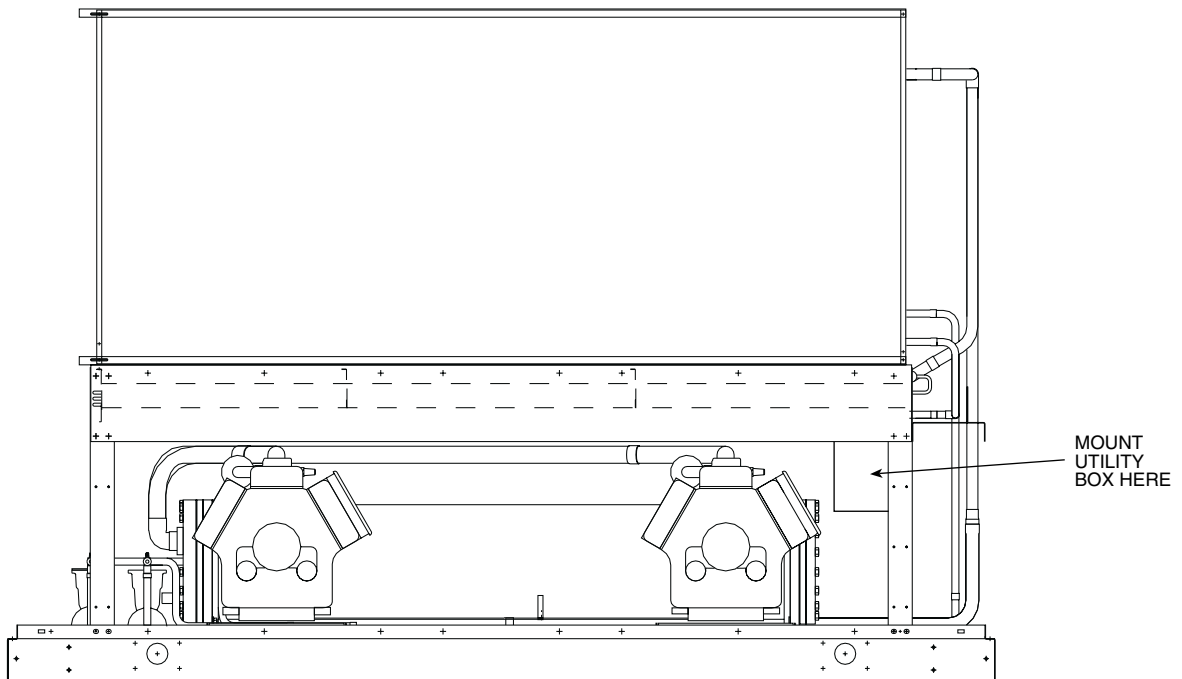
MODEL 30GXN,R	SECTION A	SECTION B
080	—	—
090	—	—
106	—	—
114*	—	—
115†	—	—
125	—	—
135	—	—
150	—	—
160	—	—
174*	—	—
175†	—	—
204*	—	—
205†	—	—
220†	125	090
225	—	—
240†	125	115
244*	—	—
250†	—	—
264	—	—
275†	135	135
281	—	—
300†	160	135
301	—	—
320	160	160
325	—	—
345†	175	175
350	—	—
365†	250	135
370*	225	150
390*	264	135
395†	264	135
410†	225	205
415*	264	150
440†	225	225
450*	225	225

\*60 Hz units.

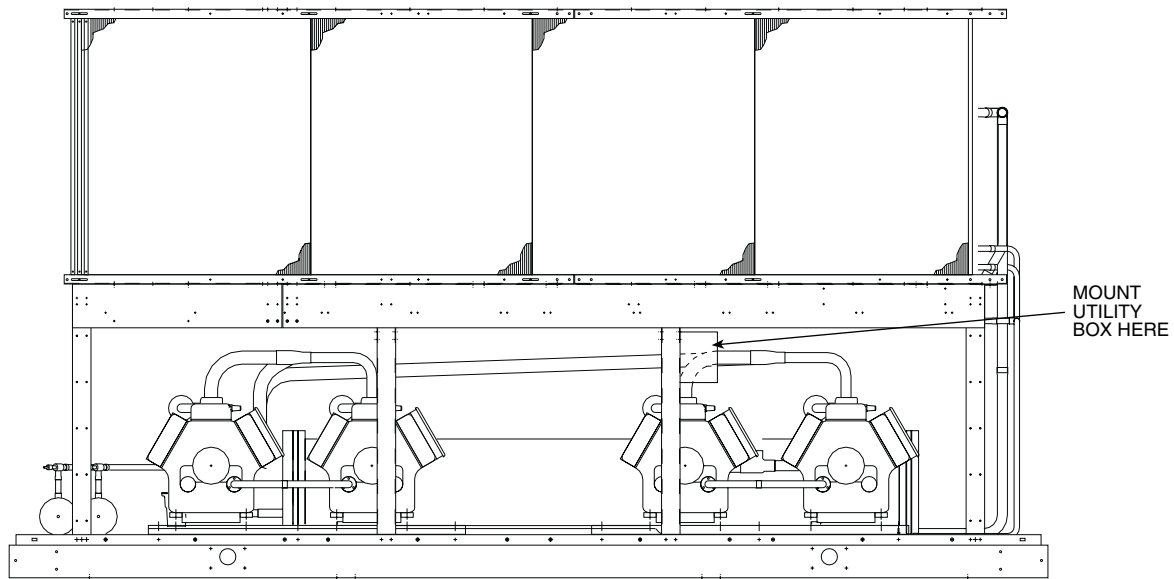
†50 Hz units.



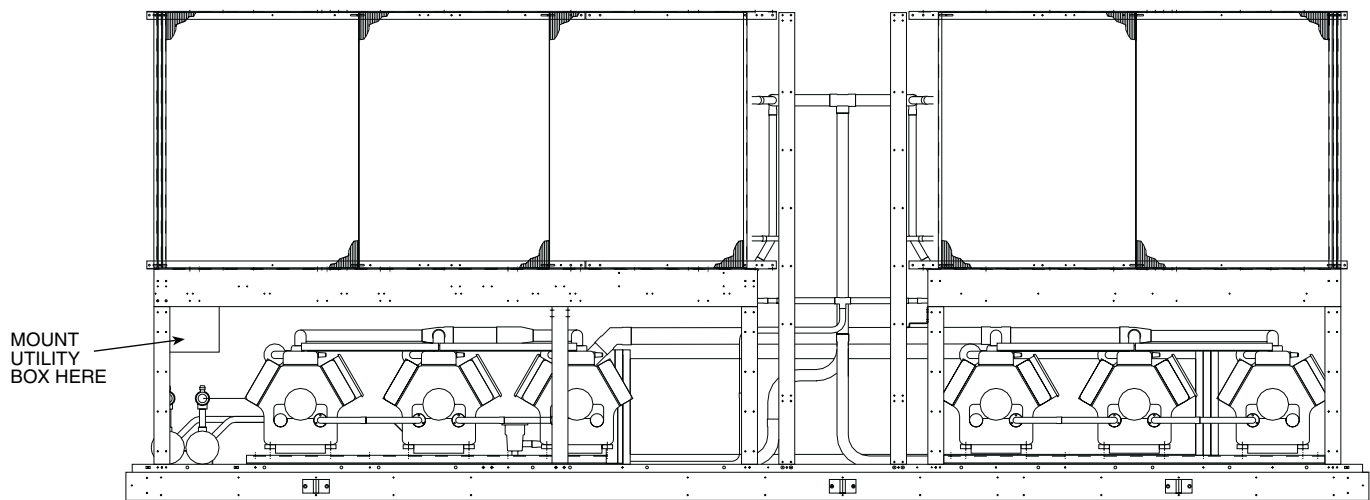
**Fig. 2 — Service Port Mounting Location — 30GTN,GTR,GUN,GUR040-050**



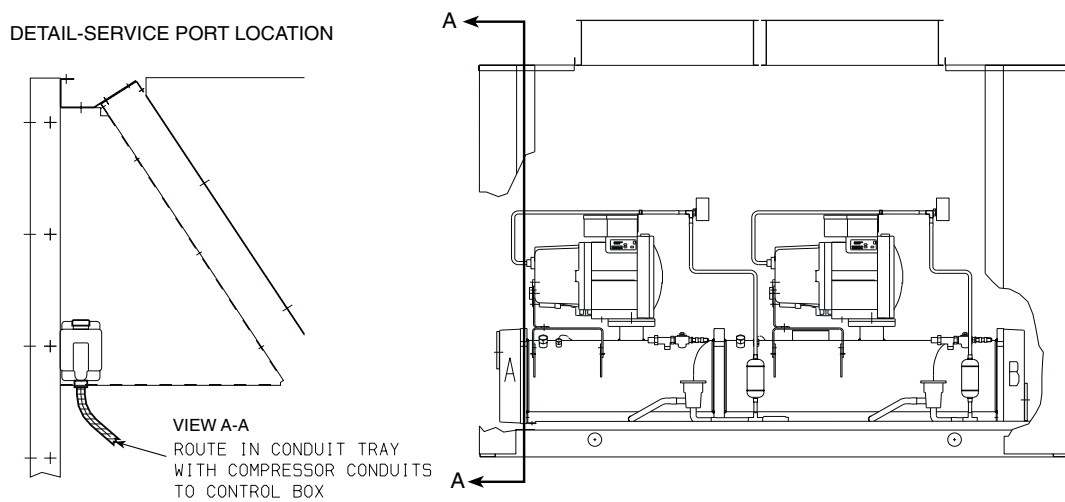
**Fig. 3 — Service Port Mounting Location — 30GTN,GTR,GUN,GUR060-070**



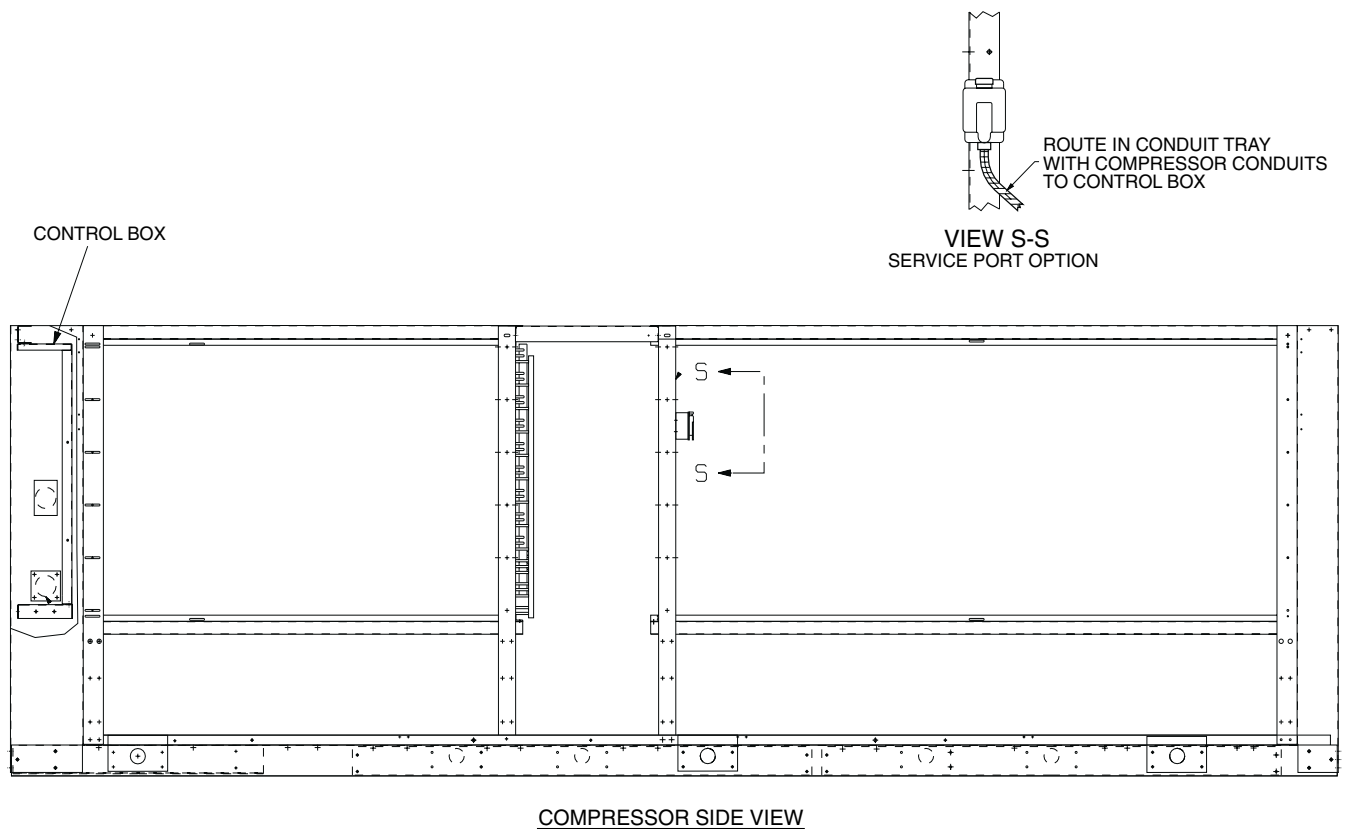
**Fig. 4 — Service Port Mounting Location — 30GTN,GTR,GUN,GUR080-110 and Associated Modular Sizes**



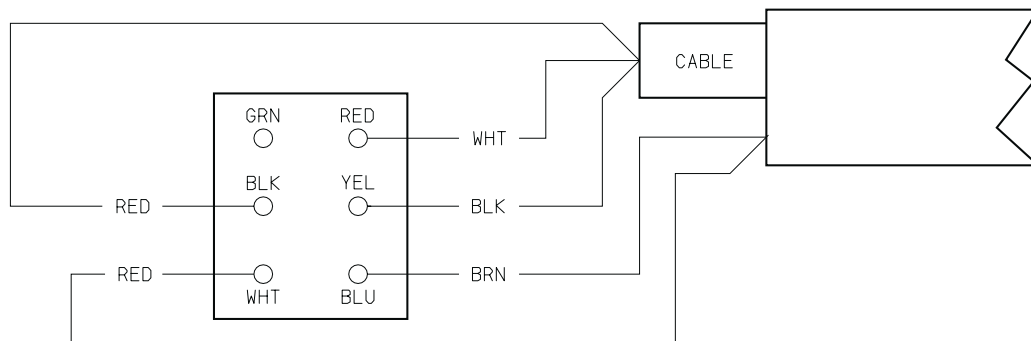
**Fig. 5 — Service Port Mounting Location — 30GTN,GTR,GUN,GUR130-210 and Associated Modular Sizes**



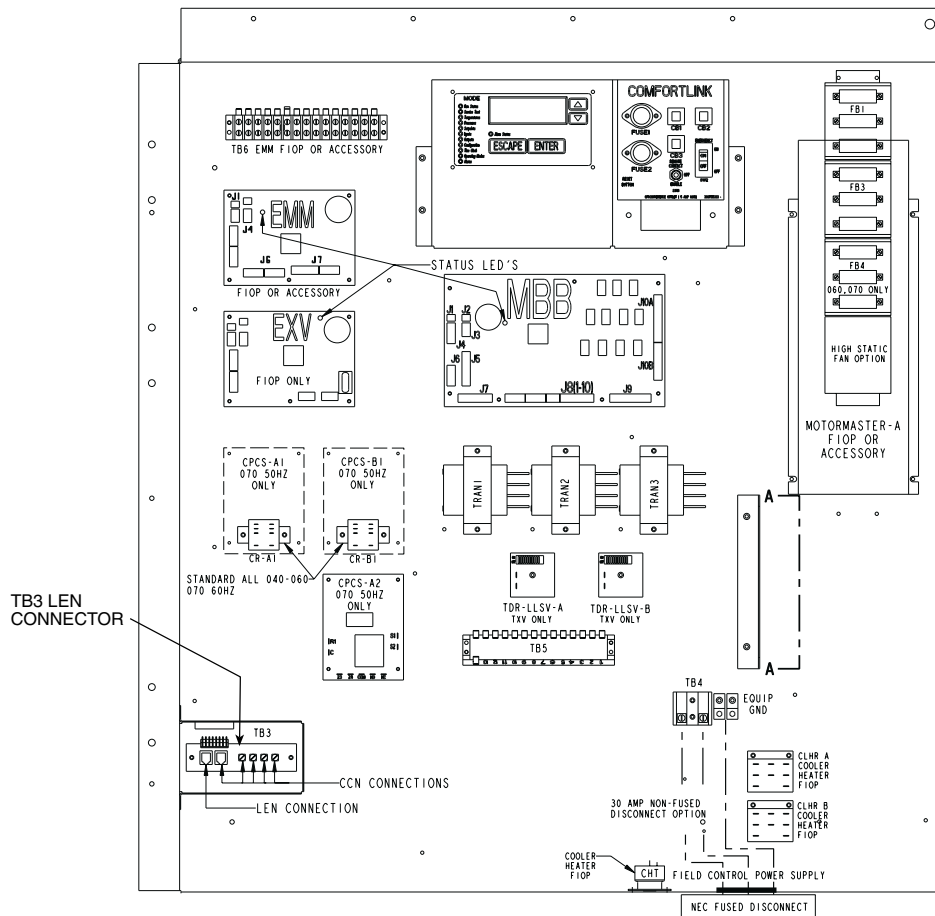
**Fig. 6 — Service Port Location Detail — 30GXN,R080-160**



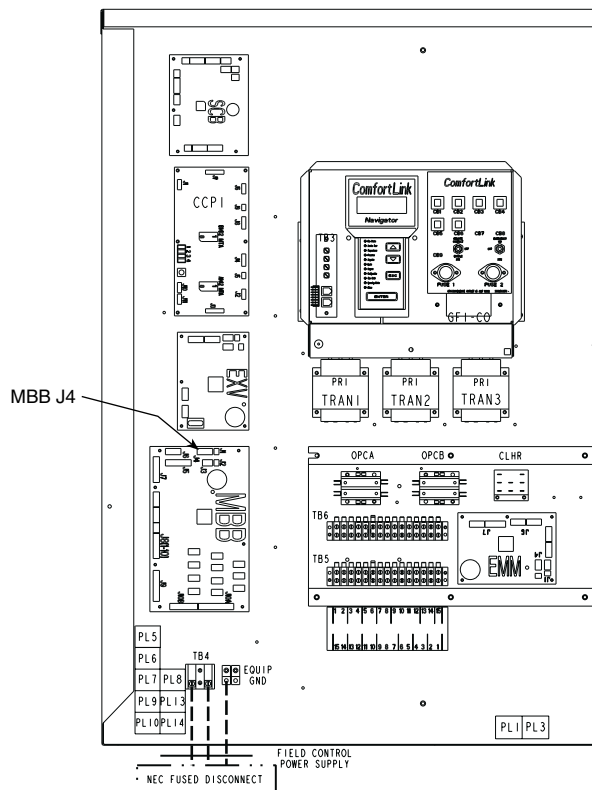
**Fig. 7 — Typical Service Port Mounting Location for 30GXN174-350 and Associated Modular Units (174-225 Shown)**



**Fig. 8 — Service Port Wiring Detail**



**Fig. 9 — Typical TB3 Control Box Location — 30GTN,GTR,GUN,GUR040-420 (040-070 Shown)**



**Fig. 10 — Main Base Board (MBB) Connector J4 Location — 30GXN,R080-175**

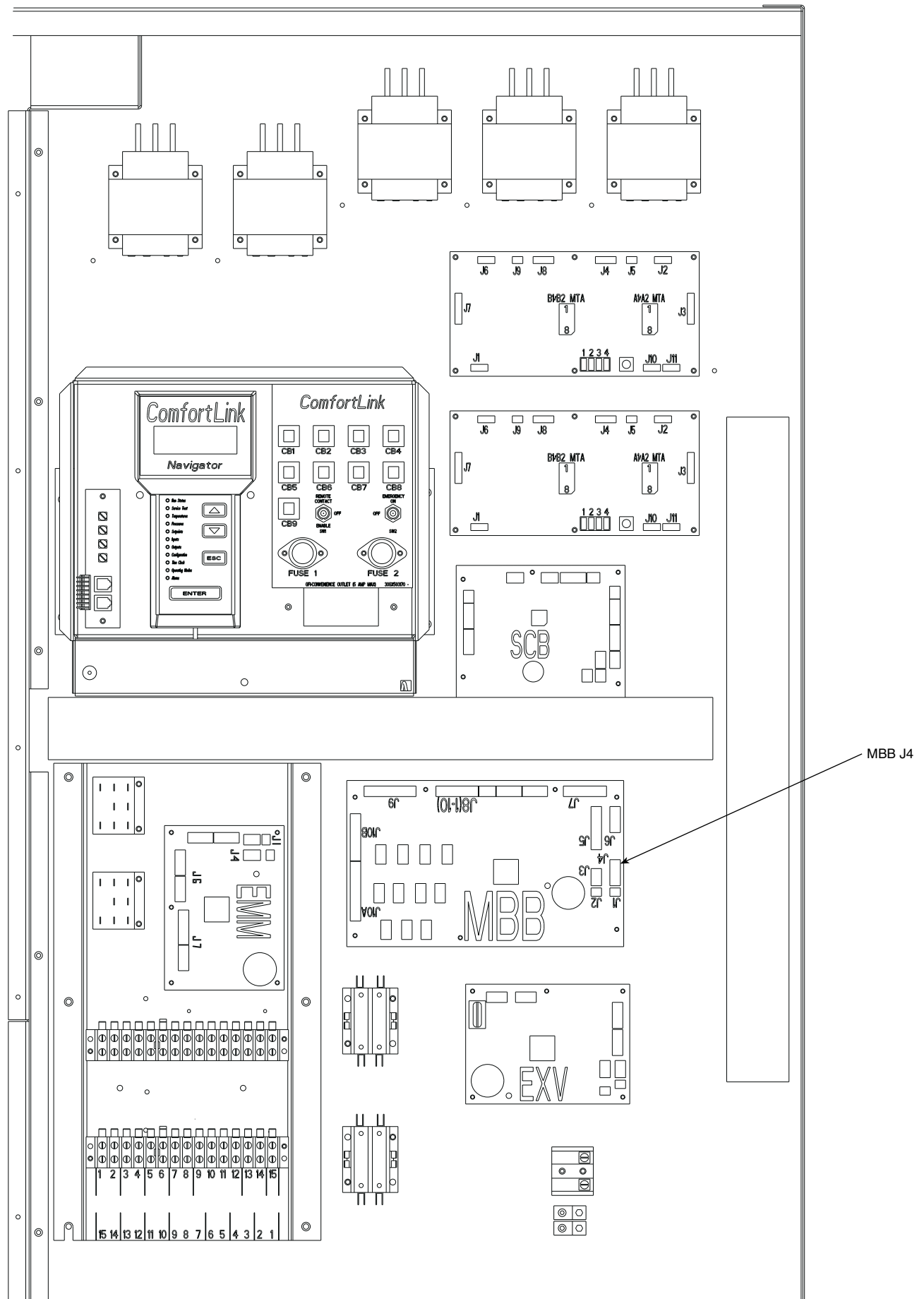
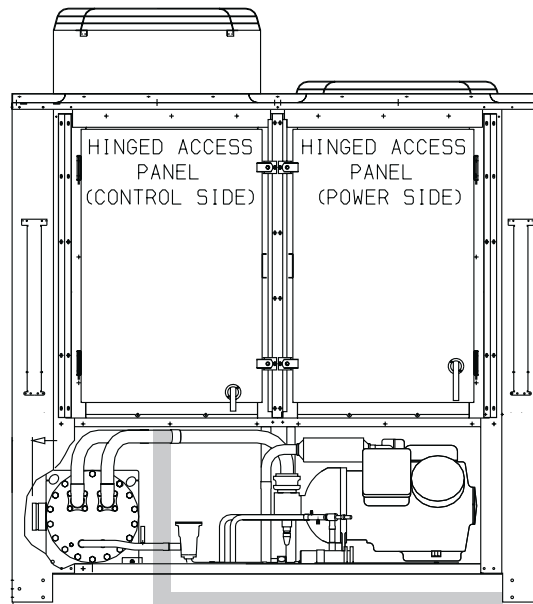
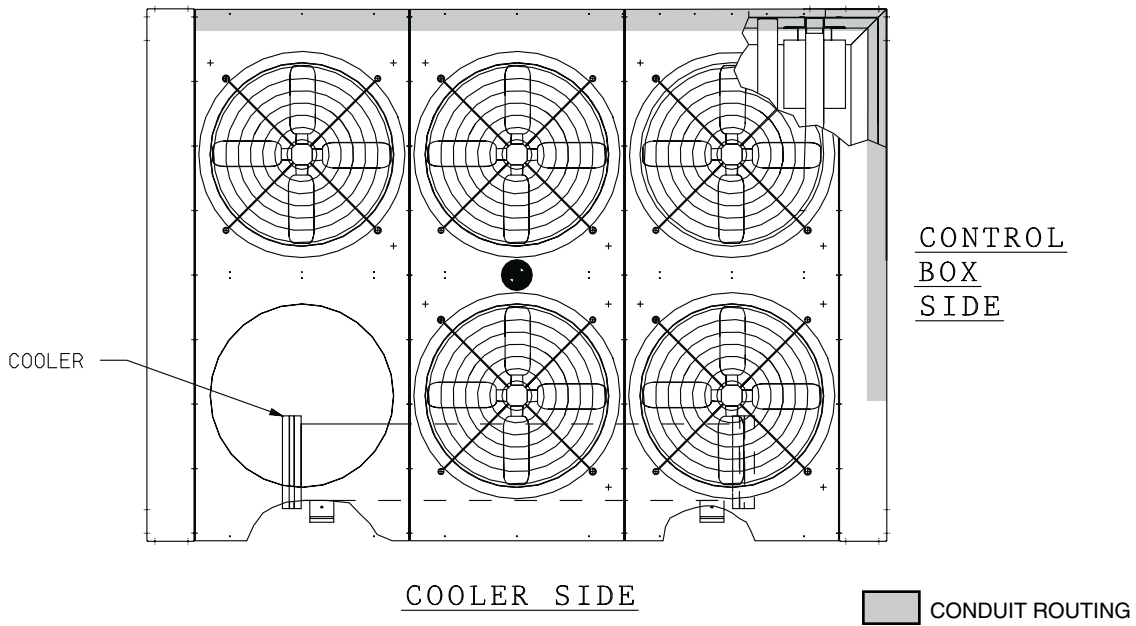


Fig. 11 — Main Base Board (MBB) Connector J4 Location — 30GXN,R204-350

TOP VIEW

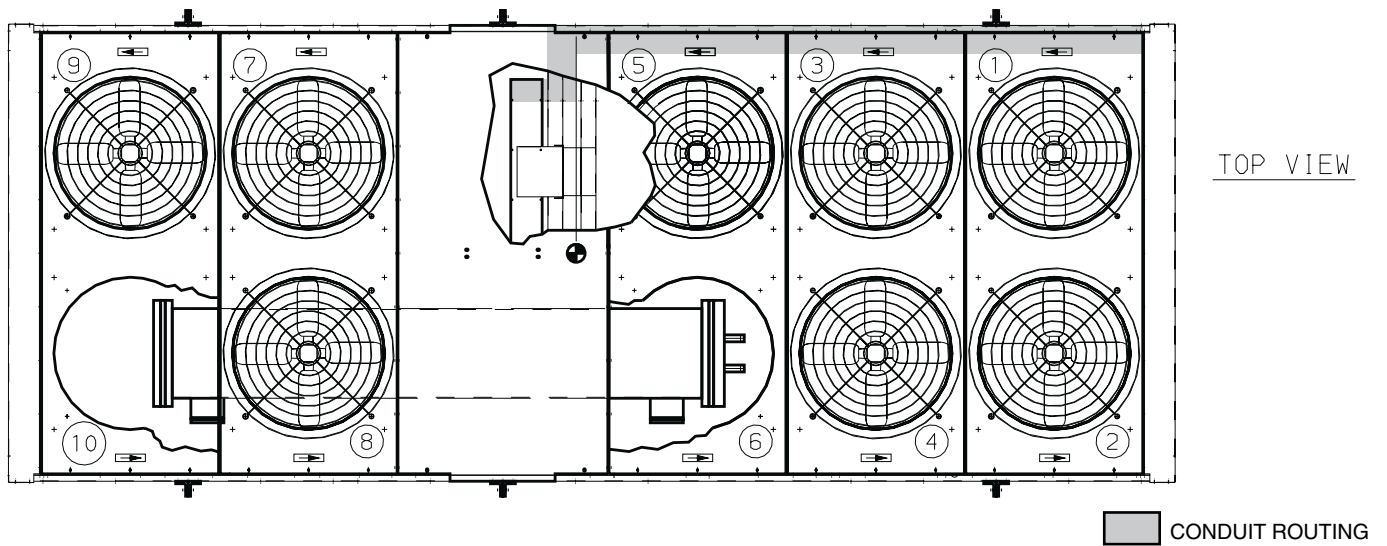
COMPRESSOR SIDE



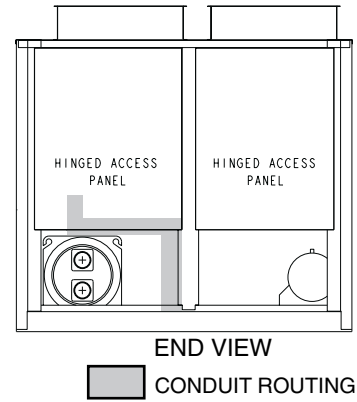
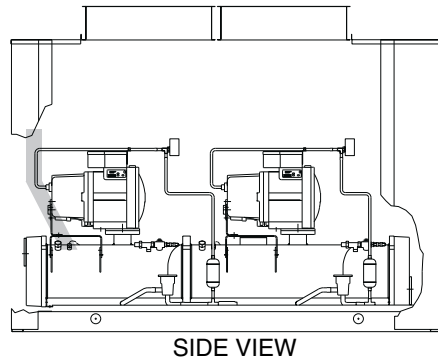
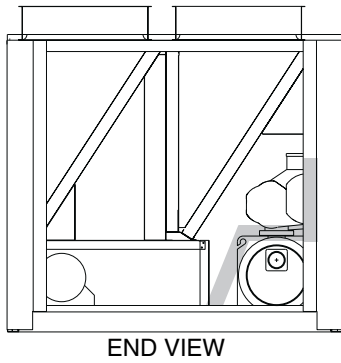
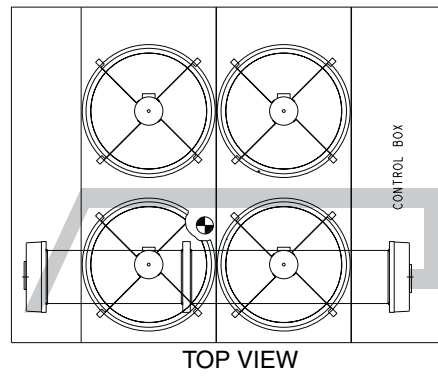
END VIEW

**Fig. 12 — Typical Conduit Routing — 30GTN,GTR,GUN,GUR040-110 and Associated Modular Sizes**

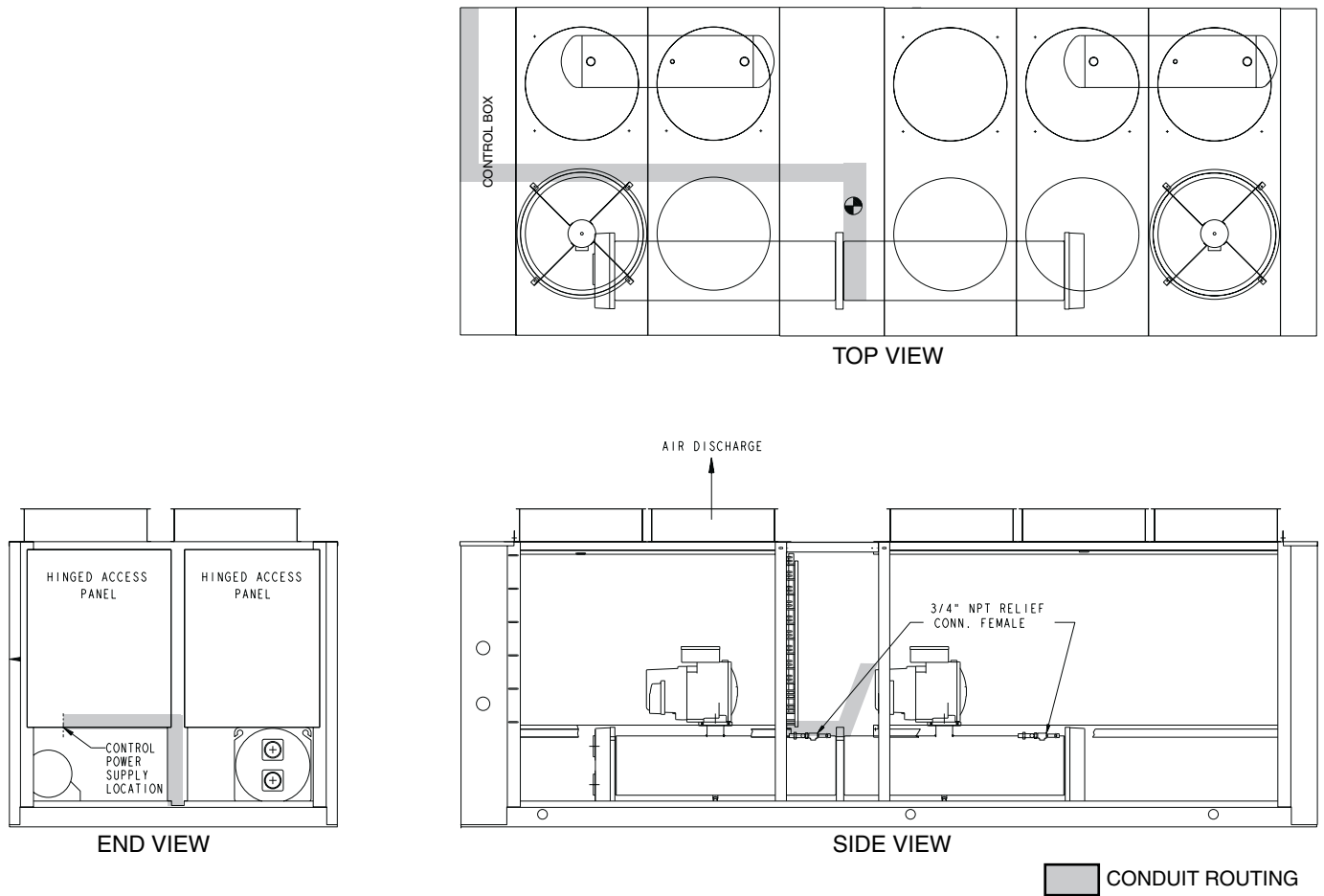




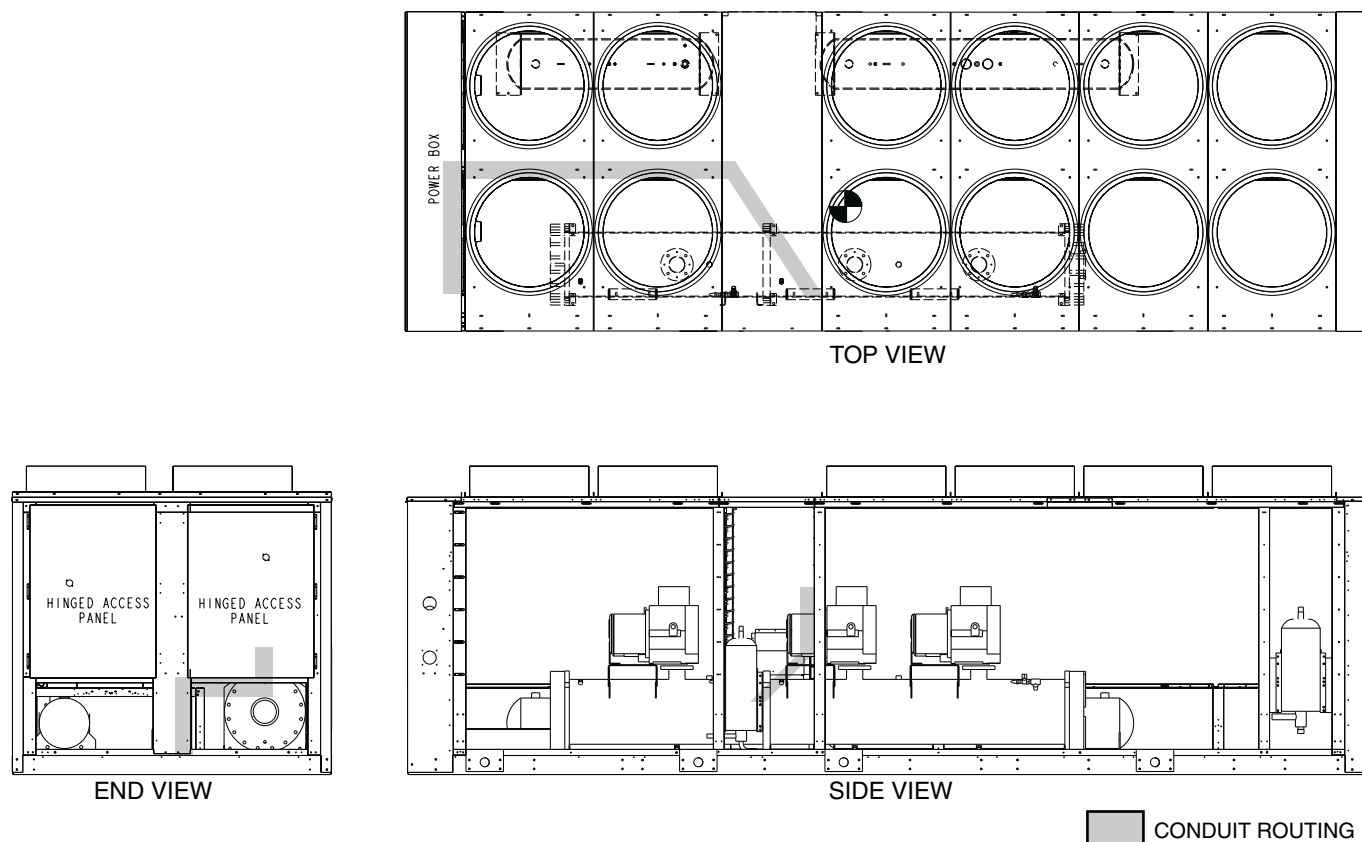
**Fig. 13 — Typical Conduit Routing — 30GTN,GTR,GUN,GUR130-210  
and Associated Modular Sizes**



**Fig. 14A — Typical Conduit Routing — 30GXN,R080-160**



**Fig. 14B — Typical Conduit Routing — 30GXN,R174,175**



**Fig. 15 — Typical Conduit Routing — 30GXN,R204-350**